

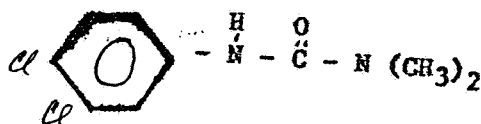
US EPA ARCHIVE DOCUMENT

REney:rjt  
7/26/67

Evaluation of Pesticide Petition No. SF0626  
for Diuron [3-(3,4-dichlorophenyl)-1,1-dimethylurea]  
Submitted by E. I. du Pont de Nemours and Co.  
filed on July 10, 1967

### INTRODUCTION

The structure for diuron is



The name of the product is Karmex Diuron Weed Killer (80% diuron)  
The formulation is:

tech. Diuron (97%)

83%

Du Pont is proposing a 7 ppm tolerance in or on Bermuda grass.

### DIRECTIONS FOR USE:

Bermuda grass single application - Pre-emergence - 1 to 3 lbs./A  
(0.8 to 2.4 lbs./A) after planting and before emergence of Bermuda  
grass or weeds. Use lower rates on light soils (sandy loams, loams)  
and higher rates on heavy soils (clay loams, clay).

Or

Post emergence - (when seedling annual weeds (4 in. in ht.) are  
present, apply 1/2 to 1 lbs./A (0.4 to 0.8 lbs./A).

Avoid overlapping sprays.

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INFORMATION WHICH MAY REVEAL INERT INGREDIENTS IS NOT INCLUDED

Do not graze treated fields or feed forage from treated areas to livestock within 60 days of application.

#### ANALYTICAL METHOD

Colorimetric method previously evaluated and approved.

#### DISCUSSION OF DATA

Some of the data submitted is listed as follows:

lbs. A/A	When applied	Day Weathered	RESIDUES IN PPM	
			Grass	Dry form
0.8	Post	37	1.8	4.9
0.8	"	59	1.1	1.3
1.6	"	78	1.4	3.9
1.6	"	"	1.0	2.8
3.2	"	"	2.8	7.8
3.2	"	"	1.2	3.3
2.4	"	85	4.5	10.0
0.7 + 1.4	"	68	0.94	1.2
1.2 + 1.4	"	68	1.3	1.6
2.0		74	1.8	2.3
2.0	Pre	51	-	10.0
3.2	"	51	-	11.0
0.8	"	58	-	1.7

Data is acceptable with a 70 day limit instead of the 60 limit.

#### RECOMMENDATION

A favorable opinion is given in that the petitioner has agreed to change the 60 day interval in "Do not graze treated fields or feed forage from treated areas to livestock within 60 days after application to 70 days.